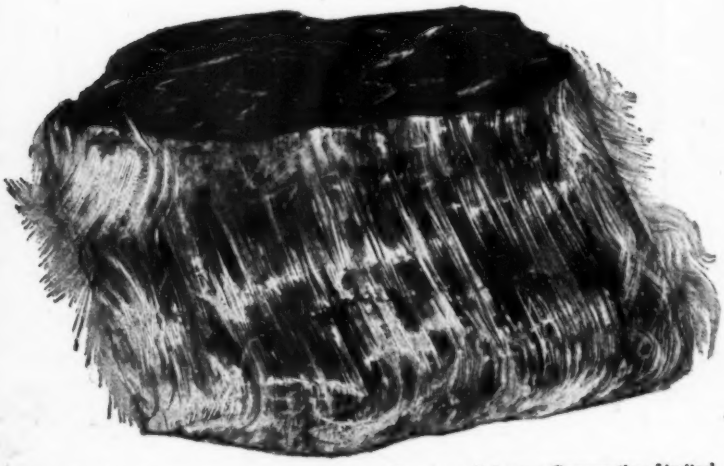
ASBESTOS

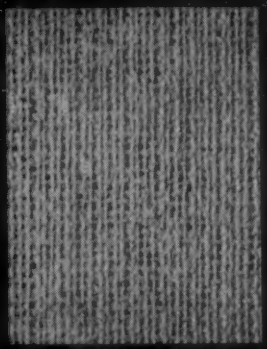


Canadian Crude

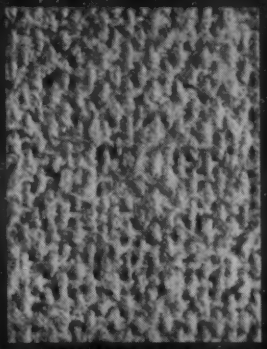
Courtesy Asbestos Corporation Limited

SEPTEMBER 1959

New, lighter R/M lagging cloths reduce insulation costs



New = 20P070 asbestos lagging
Weight: 0.70 lb. per sq. yd.



New = 10P111 Glassbestos lagging
Weight: 0.110 lb. per sq. yd.

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CONTENTS

	Page
CHRYSOTILE POTENTIAL IN CANADA	2
ROCKBESTOS PRODUCTS CORPORATION BECOMES DIVISION OF CERRO DE PASCO	10
SPRAYED ASBESTOS	12
PROFILE—E. J. O'LEARY THE RUBEROID CO.	16
MARKET CONDITIONS	20
BUILDING	26
AUTOMOBILE SALES	28
PRODUCTION STATISTICS	32
IMPORTS AND EXPORTS	34
NEWS OF THE INDUSTRY	42
ASBESTOS STOCK QUOTATIONS	50
THE TWELVE ESTIMATING TABLES	52
CURRENT RANGE OF PRICE	56
BOOK LIST	58
PATENTS	60

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CHRYSOTILE POTENTIAL IN CANADA

By: W. E. Sinclair, M.I.M.M.

Besides having substantial proved asbestos reserves, Canada contains a great store of latent resources to support her immense productive effort of this valuable mineral. In recent years the output from her mines has exceeded a million tons of fibre, valued at well over one hundred million dollars annually.

Notwithstanding the recessional wave in the industrial field last year, asbestos production has been fairly well maintained except where a slight falling off in demand has affected sales. Actually, the present year, 1959, promises a more rosy picture despite the somewhat uncertain economic condition in some spheres of industry. The main stabilizing factor is the relatively steady price value in all varieties of asbestos. This has created a position in the industry that not only encourages an expanding trend but offers confidence in the future.

Asbestos production in all of the main producing countries, and particularly in Australia and Africa, ie., South Africa and Rhodesia, is indicative of this confidence, while in Canada, (the world's principal producer) the future outlook is clearly shown by the vast expansion plans in all the big mines, plus the development of three new producers (Lake Asbestos, Carey-Canadian and National Asbestos) in the Quebec Eastern Townships. These new mines will add nearly 12,000 tons per day capacity, bringing the total for the field to about 60,000 tons a day. The capital involved in these developments amounts to an expenditure of about sixty-five million dollars.

In addition to present recovery, which is over sixty per cent of the total world chrysotile output, Canadian producers plan to gradually step up production by thirty per cent, to about 1,300,000 tons in 1960. Allowing for new mines and potential prospects and the latent resources, both in the Quebec field and in other localities, it is estimated that the country will achieve a progressive increase in output, from over one and a quarter million tons in 1960, to nearly two million tons by 1980.

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At present, the proved estimated reserves in the Quebec field are reckoned to be approximately 950,000,000 tons, in addition to which, the estimated reserves at Cassiar in British Columbia and at the Munro Mine in Ontario, together amount to over 10,000,000 tons. These tonnages represent a substantial supply of the raw material which, with the expansion of mining and milling capacities in existing mines, supports the fact that future productive estimates are assured.

This is not all, however, for in this vast country, there is promise of at least three new potential chrysotile fields in which there are hopeful indications of large resources of asbestos of some substance. The most important of these is that located in the northern region of British Columbia and the Yukon. Here, exploratory work has been stimulated by the exceptional results obtained in the development and recovery on the Cassiar deposit, situated on a spur of McDame Mountain. This work has disclosed a substantial deposit of high quality non-ferrous chrysotile containing a maximum percentage of spinning grades.

This Company, the Cassiar Asbestos Corporation, and others have acquired claims on several prospects in Northern British Columbia, and one in particular in the Yukon, (recently located by the Geological Survey) seventy miles due north of Telegraph Creek. Already in the Yukon, work on the prospect at Clinton Creek, near Dawson, has exposed an estimated reserve of about five million tons of high grade asbestos ore down to 50 feet below the adit level. This prospect is likely to develop into a major producer in the near future.

Several other prospects in the Yukon and Northern British Columbia, on which exporation work is proceeding, would appear to confirm the possibility of a valuable chrysotile field in that region of the country. Despite the extreme climatic conditions in these areas and the consequent restricted mining period due to the severe winter (November to May), results from the Cassiar undertaking clearly show that this is not an insurmountable handicap. The Cassiar mill treated an average of 1065 tons or ore per calendar day (in 1958) from stocks of accumulated ore amounting to about 100,000 tons in dry-rock storage

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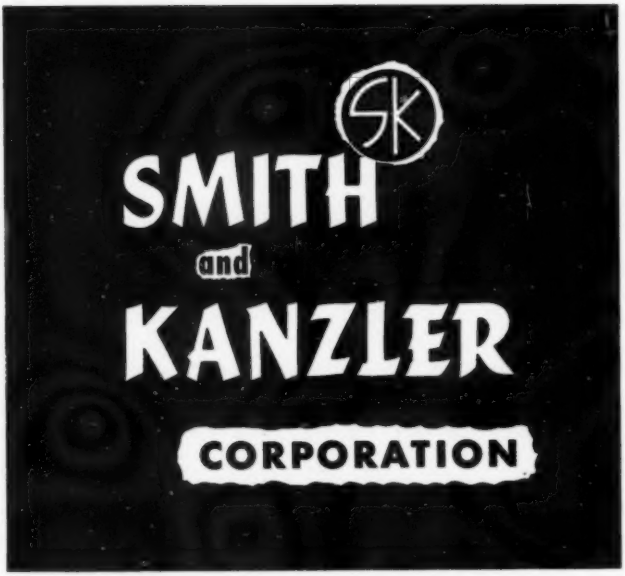
and about 150,000 tons in the stockpile, representing a surplus tonnage mined in the summer months, from June to October. The result of the year's operations showed a working profit of nearly three million dollars. These figures augur well for the success of all new projects that are likely to develop in this field in the near future.

In the southern portion of British Columbia, the Cordilleran geological structure somewhat resembles the northern region and it is not unlikely that chrysotile deposits occur in the asbestiform serpentine formations that exist in some areas. Indeed, occurrences have been located at Penticon and Revelstoke and on Sproat Mountain, but exploratory work has not yet disclosed any deposits of economic importance.

In Ontario, the Munro Mine of the Canadian Johns-Manville Corporation is an example of what is possible in the well known chrysotile occurrences along the "Abitibi Serpentine Belt". In a strike of about 80 miles, a series of peridotite and dunite bodies of ultrabasic formation are completely serpentinized. Occurrences of asbestos are disturbed by acidic to basic dykes in places and the whole formation has been subjected to faulty and extreme fractures, as is evident in the Munro orebody. The fibre generally is on the short side and is inclined to be harsh in texture. Nevertheless, it is possible that, as a result of the data collected in the Munro Mine, further exploratory development will eventually open up other payable deposits.

It has always been known that, geologically, the "Serpentine Belt" on which the main Quebec Eastern Townships field is located, continues north easterly into the island of Newfoundland. In these serpentine rocks, mineralized areas containing chrysotile asbestos have been known to exist, but it is only in recent years that intensive exploration has been undertaken to investigate the quantity and quality of the asbestos. Now, it would seem likely that this part of Canada will see the location of a new important field. Already, the Advocate Mines have proved the existence of a substantial tonnage of good quality chrysotile in the Burlington Peninsula. Plans are under way, with the cooperation of Canadian Johns-Manville Corporation, to develop the proposition and prepare for active exploitation.



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A capital outlay of 17½ million dollars is envisaged to bring the undertaking to production at an initial rate of 3,000 tons a day.

Investigation as to other possible economic occurrences, especially in the Lewis Hills, St. George au Port area of Newfoundland, are presently being pursued. Fibre of good quality and length is reported as being found but insufficient work has as yet been done to prove the extent of the deposits.

The potential resources of chrysotile in Canada are undoubtedly of vast proportions and of great value to the industry. The possibility of any shortage of this essential commodity is fortunately safely excluded by the almost certain substantial resources. In addition, there is no doubt that, in this vast territory, further discoveries have yet to be made. As it is, great credit is due to the efforts of a body of men who have fought and overcome the difficulties of the elements and lack of communications in the earlies, to establish the projects outlined above.

The proved asbestos reserves extant certainly confirm the estimated future increase in production measured by plans of expansion in the next ten years, while the latent resources serve as an added assurrance to the vital needs of industry for many years to come.

Nine colorful pocket-sized folders, each outlining via copy and illustration, distinctive products designed to meet a major share of a plant's problems for maintenance of buildings—weatherproofing, floor repair and resurfacing, exterior restoration, protection of insulation and anti-slip floor treatment—have been made available by the Industrial Division of THE FLINTKOTE COMPANY. The folders which are suitable for loose leaf binding, include comprehensive product data: uses, description and sizes, application directions and care of tools.

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ROCKBESTOS PRODUCTS CORPORATION BECOMES DIVISION OF CERRO DE PASCO

Cerro de Pasco Corporation reported that one of its United States fabricating subsidiaries, Rockbestos Products Corporation, of New Haven, Connecticut, has been liquidated and its assets conveyed to Cerro de Pasco which also has assumed the liabilities of the former subsidiary. The Rockbestos business henceforth will be conducted as the *"Rockbestos Wire & Cable Co., Division of Cerro de Pasco Corporation"*.

Robert P. Koenig, Cerro de Pasco president, stated that the changed status and identity of the Rockbestos Company is part of a corporate simplification plan intended to bring about various operating economies.

Cerro de Pasco is a major producer in Peru, South America of copper, lead, zinc, silver, gold, bismuth and other nonferrous metals. The Corporation's fabricating operations in the United States consist of wire and cable plants, copper and brass mills, and an aluminum sheet mill.

Albert S. Redway, Rockbestos president, said that he welcomed the change in identity of the Rockbestos business as "a more accurate description of our principal activity as a leading manufacturer of specialized copper wire and cable".

Rockbestos is a pioneer manufacturer of custom-made products in the wire and cable industry, widely recognized for its development and fabrication of heat and flame-proof insulation, aircraft and rocket circuitry wire, mining cable, control cable, switchboard wire and special cable for varied applications in the steel industry.

In addition to Mr. Redway, who continues as president and chief executive officer of the new Rockbestos division, other former officers of the subsidiary will likewise continue as officers of the division.

Cerro de Pasco acquired 99.3% of the outstanding Rockbestos common stock.

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established an ■■■■ record of 5.0 tons per square
fact, both very satisfactory performances.
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a report on our
Of the two All Nylon Trial Felts, the first
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is in work and has been on the machine three weeks.
At the completion of its run, a full report on both
felts will be sent to you. So far, opinions are
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Sprayed asbestos is well-suited for insulating all classes of industrial and domestic buildings. At the same time it solves the problem of increasing thermal resistance of existing buildings. In addition, the treatment provides proof against vermin.

By this method, which is called sprayed "Limpet", specially treated asbestos fibres are projected simultaneously with a fine water spray from a multi-jet spray gun. Various grades of asbestos fibres are used in order to meet certain essential functions. The resultant mixture is pliable for two hours, during which time the surface can be flattened or shaped. It becomes set in about eight hours.

The advantages of sprayed asbestos are as follows—

Thermal Insulation

With a single skin roof, savings in fuel consumption of 50% have been achieved. Buildings insulated in this way can be kept, if required, at a lower temperature and still provide the same degree of comfort.

In summer, the treatment will reduce the amount of solar heat coming through the roof and so makes more comfortable working conditions.

Anti-Condensation

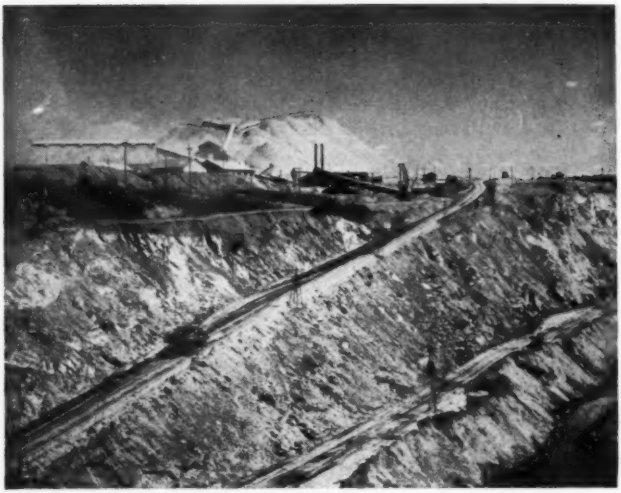
Condensation is prevented by maintaining the surface concerned about dew point. The applications are capable of absorbing many times their weight and this is later evaporated when average conditions are re-established.

Sprayed asbestos prevents condensation on exposed steelwork and the tendency to rust or corrode is greatly reduced.

Fire Protection

The system complies with the requirements of the Fire Research Station fire tests. Data is available which shows

CANADIAN ASBESTOS



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the exact degrees of fire resistance when applied to concrete floors, steel beams and columns.

Anti-Corrosion

Tests have been made against the corrosion of steel which have proved its value as a protective agent.

Dust Exclusion

By providing an unbroken and reasonably flexible internal line, the sprayed "Limpet" seals all the laps and joints. In that way, it effectively stops dust and dirt coming through roofs, and, occasionally, walls.

Sound Absorption

As it can be applied directly to all types of roofing and walls regardless of the surface contour, it is ideal for the reduction of noise.

Decoration

All applications will take decoration in the same way as asbestos cement.

Applications

The spraying of "Limpet" asbestos is carried out by *Turners Asbestos Cement Co. Ltd.*, of Trafford Park, Manchester, England, on a contract basis. They carry out this type of work anywhere in the United Kingdom and their technical experts are available to advise on all problems connected with the application of this material.

"ASBESTOS" recently received reprints of two very interesting and informative papers, "*Further Observations on the Morphology of Chrysotile and Halloysite*", by Thomas F. Bates and Joseph J. Comer and, "*Morphology and Crystal Chemistry of 1:1 Layer of Lattice Silicates*", by Thomas F. Bates. "ASBESTOS" will be glad to lend its copies to interested readers.

"SAFETY IN THE SIXTIES", a forecast of things to come in safety in the next 10 years, will be the theme of the *47th National Safety Congress*, annual convention of the National Safety Council to be held in Chicago, Illinois, October 19-23, 1959. There will be nearly 200 exhibits of safety equipment and materials.

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PROFILE—E. J. O'LEARY
THE RUBEROID CO.

E. J. O'Leary

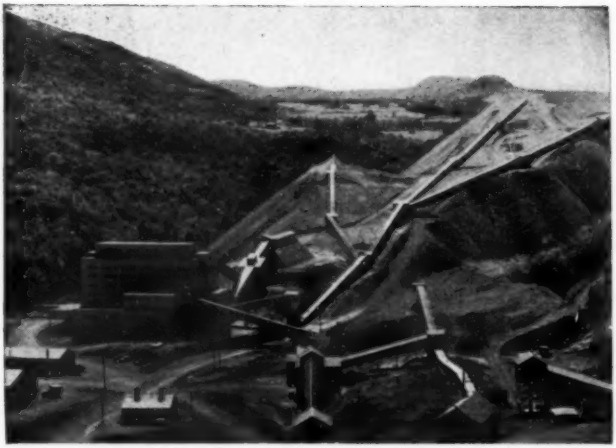
Ernest Joseph O'Leary, President and Chief Executive Officer of The Ruberiod Co., was born November 24, 1907 in Philadelphia, Pennsylvania. He was educated in Philadelphia schools and Strayers Business College.

In 1926, Mr. O'Leary's career began with Eternit, Inc., Philadelphia, as Secretary and Special Sales Representative. Eternit was acquired by Ruberoid in 1930 and Mr. O'Leary was made Assistant Sales Manager in Baltimore, Maryland. In 1939, he became Sales Manager and 1941, General Manager in Mobile, Alabama. As General Manager, he was responsible for manufacturing, sales, purchasing, personnel and all allied activities. In 1946, Mr. O'Leary was Southern Division Sales Manager in Baltimore, Maryland; General Manager in Dallas, Texas in 1947; General Sales Manager of The Ruberoid Co., New York City, in 1950; Vice President—Sales in 1951; elected to Board of Directors in 1952; Executive Committee in 1953; Executive Vice President in 1955; President and Chief Executive Officer September 1, 1958 and elected Chairman of the Board March 2, 1959.

Although Mr. O'Leary spent much of his career in sales, he is also broadly experienced in manufacturing, finance and general management at all levels. He is trained in the school of modern organization management and plans to operate Ruberoid by delegating authority through staff specialists.

E. J. O'Leary is Chairman of the Board and Member of the Executive Committee of the Asphalt Roofing Industry Bureau; Past President, Director and Member of the Executive Committee of Asbestos-Cement Products Association and also Director of the Gypsum Association.

Mr. O'Leary subscribes to and reads a wide variety of business and news journals and reads detective stories for pure relaxation. He is called "Tim" (a boyhood nickname)



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by all his friends and associates. His games are golf and spectator sports. He plays golf on most weekends (Sunday with Mrs. O'Leary); his handicap is 9. He plays gin rummy but not bridge. He is a member of the Scarsdale Golf Club and the Uptown Club of New York City.

Mr. O'Leary and his wife, the former Mary E. Reilly, were married in 1930 and reside in Scarsdale, New York. They have two sons—Richard D. O'Leary, DDS, age 27 and John Guy O'Leary, age 24.

SOC. COLL. ADRIANO GARDELLA & F.LLO, Genoa, Italy, will exhibit its ASBESTOS/SPINGARD and ASBESTOS/TWISGARD, along with its other machinery, at the 3rd *International Textile Machinery Exhibition*, to be held September 12-21 in Milan, Italy.

"ASBESTOS" readers will be welcome to visit the exhibit.

FIRE PREVENTION WEEK, to be observed October 4-10, is the oldest of the National Weeks in the United States. It was 37 years ago in 1922 that President Warren G. Harding proclaimed the first Fire Prevention Week. October 9th is the anniversary of the great Chicago fire which broke out in 1871. The primary purpose of the week is to promote fire safety by calling public attention to the great need for fire prevention in the home, in office buildings, in the factory, in the school, on the farm, and throughout all communities, both urban and rural across the nation.

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MARKET CONDITIONS

GENERAL BUSINESS.

The rise in general business activity has slowed up during the summer months, in accordance with the usual seasonal pattern. However, there are increasing signs that a strong pickup can be expected in the very near future and that this can be expected to continue for the balance of the year. The steel situation is a disturbing factor and could become more so if it continues appreciably longer. However, there are signs that a settlement can be reached within a reasonable length of time. Auto production is virtually at a standstill as model change-overs are being made and the "Big Three" prepare to offer their new "economy" models. It is widely predicted that introduction of these compact cars will result in a significant increase in total sales of the automotive industry, which in turn promises an expanding market for that industry's many suppliers.

All in all while business is marking time at the moment, prospects for the near future are quite good.

ASBESTOS — RAW MATERIAL.

July asbestos shipments for the Industry ran at approximately the same level as last year. The first 7 months of 1959 still remain 17% ahead of the same period in 1958. Export sales for the first half of 1959 are 25% above the same period last year.

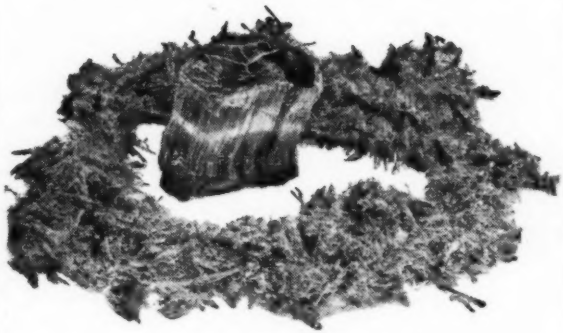
It is expected August shipments will approximate those of 1958 with the remaining months somewhat higher than last year. The year end figure is expected to be 20% to 25% better than 1958.

ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. The Market Situation continues much improved over the first half of this year and is expected to remain satisfactory for the balance of the year.

Asbestos Brake Lining. The present Market Situation still shows no signs of abating from its current high level (replacement). O.E.M. is expected to be sharply off for the

Australian Blue Asbestos Limited



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CSR BUILDING PRODUCTS

next two months as most producers are planning for their new models (1960). The only cloud on the horizon is the possibility of the steel strike lasting beyond September.

Asbestos Paper. Orders for this material have increased somewhat and this volume should continue for the next 30 days. However, there still remains keen competition in the sale of this product. The demand for *Asbestos Millboard* continues good and the volume for this product is expected to increase over 1958 pending settlement of the Steel Strike. The Market for *Asbestos Saturated Paper* is good at the present time due to Industrial plant construction. Indications are that the present high level of industrial and commercial construction will continue during the balance of the year.

High Pressure Insulation. The Market Situation has improved recently with a number of new jobs coming up for bids. Prices for contract work continue extremely competitive. The outlook for the remainder of 1959 looks good as there seems to be increasing construction which will require the use of this material.

Low Pressure Insulation. Orders for this material have dropped somewhat and prices are very competitive for that business which is available. It is expected that the remainder of 1959 will show a volume equal to that of 1958.

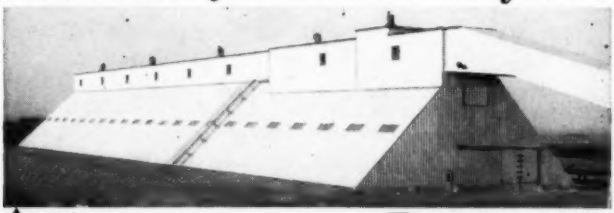
Asbestos Cement Products. The Market Situation at the persent time remains satisfactory and the outlook for the rest of 1959 continues to promise improvement.

Shingles—Roofing & Siding. The volume on this product maintained the same level as in 1958. A 5% to 10% increase in volume over last year is anticipated for the coming fall season.

Asbestos Pipes. The market recovery from last year's level has been good and the Market Situation is seasonally satisfactory. The future is promising provided there is no further tightening of mortgage money.

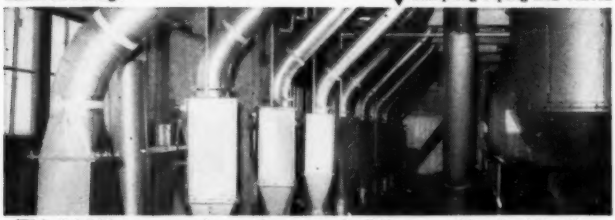
The above comments have been made by various informed executives in the Industry. All comments are welcome.

Quality controlled asbestos from ore to fibre



▲ Rock Storage

▼ Sampling Piping and Valves



This 24,000 ton capacity rock storage building provides for blending of ore from various sections of the Carey-Canadian open pit mine—the first step toward assuring customers of constant uniformity of asbestos fibres and shorts.

Solenoid actuated valves controlled from the Quality Control Laboratory periodically draw samples of fibre and shorts from mill production. Continuous testing of samples insures the quality and uniformity associated with Carey-Canadian Asbestos Fibre and Shorts.

Carey-Canadian "quality controlled asbestos" may solve some of your operating problems. The assistance of factory trained Asbestos Fibre Sales Engineers may be obtained by writing any address below:

Carey® **ASBESTOS FIBRE**

Carey-Canadian Mines, Ltd., P. O. Box 95, Cincinnati 15, Ohio
Carey-Canadian Mines, Ltd., East Broughton Sta. P. Q.
The Philip Carey Co., Ltd., Ville St. Laurent, Montreal 9, P. Q.

New four-page brochure lists all types of Carey industrial insulations and insulating cements for use in power, chemical, petroleum, petro-chemical and manufacturing industries. Easy-to-read tabular product selection guide indicates applications for high tempertature and superheated surfaces; high, medium and low pressure steam lines; cold water pipes; heating and air-condtioning ducts; breechings. Includes photos and products descriptions. This literature (Form 6451) is available upon request to THE PHILIP CAREY MANUFACTURING COMPANY, 320 South Wayne Avenue, Lockland, Cincinnati 15, Ohio.

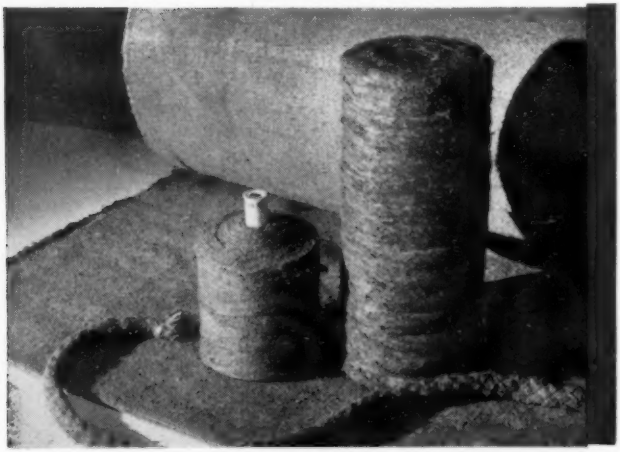
NATIONAL SAFETY COUNCIL COMING EVENTS—47th annual National Safety Congress and Exposition to be held October 19-23 in Chicago. Sessions in industrial safety scheduled for the Conrad Hilton, Congress, Sheraton, Morrison and La Salle hotels; traffic safety, Congress; commercial vehicle and transit safety, Le Salle; farm safety, Palmer House; school and college safety, Morrison, and home safety, Conrad Hilton. Further information may be obtained from Mr. R. L. Forney, Secretary, National Safety Council, 425 North Michigan Avenue, Chicago 11, Illinois.

ASBESTOS FIBRES
ASBESTOS WASTE
Frank G. Ruggles Co. Inc.
26 BROADWAY
NEW YORK 4, NEW YORK

NORAMITE

. . . Crocidolite and Amosite Asbestos Products for Reinforcement of Plastics

Noramite identifies a group of new products which greatly extend the range of properties normally available in reinforcing fibers. Noramite products, all based on Amosite or Crocidolite asbestos, include prepared fibers, rovings, ropes and fabrics. Greater chemical resistance, higher moduli, and greater heat resistance are among the principal advantages of Noramite products.



NAAC

In the United States
NORTH AMERICAN ASBESTOS CORPORATION
Board of Trade Building • Chicago 4, Illinois

In Canada
CAPE ASBESTOS (CANADA) LIMITED
200 Bloor Street East • Toronto, Ontario

CAPE

Subsidiaries of The Cape Asbestos Company, Ltd., London

BUILDING

Contracts for future construction in the United States in July rose to a new all-time high for the month, rising slightly above the previous July record set last year, F. W. Dodge Corporation, construction news and marketing specialists reported.

The Dodge Index of construction contracts, seasonally adjusted, was reported at 289 in July (1947-49=100), compared with 288 in June and 259 in May of this year.

Dr. George Cline Smith, Dodge vice president and economist, pointed out that "Although housing once again sparked the increase, probably the most noteworthy feature of the July contracts was the very strong showing in the non-residential category. All non-residential building types were up in July, and for the fourth consecutive month, particularly large gains were registered in contracts for commercial and manufacturing buildings."

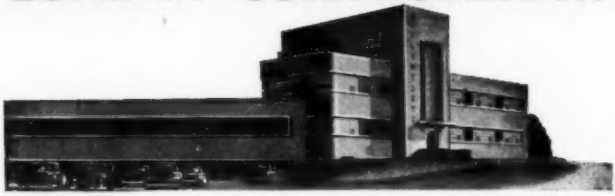
Contracts for residential buildings in July totalled $1,689,833,000, an increase of 9% over the same month last year. Chiefly responsible for the gain was a 19% rise in contracts for single family houses. The total number of dwelling units represented by the residential contracts was 125,562, up 4% over a year ago.

Non-residential contracts in July were valued at $1,190,941,000, up 11% over July 1958. All non-residential building types registered increases over a year ago, led by sharp gains in contracts for manufacturing commercial and religious buildings.

Contracts for heavy engineering construction in July amounted to $775,763,000 down 20% from the year-earlier level. Despite some gains in contracts for electric light and power systems and sewerage systems, both public works and utilities fell below last year.

Cumulative totals of contracts for the first 7 months of 1959, with percentage changes from the corresponding period of last year, are as follows: non-residential buildings at $6,895,948,000, up 5%; residential buildings at $10,569,533,000, up 31%; heavy engineering at $5,045,872,000,. down 12%; and total construction at $22,511,353,000, up 11%.

QUALITY-CONTROLLED...



Flintkote's modern research center at Whippany, New Jersey provides the facilities and technical know-how to determine the right fibres for diversified product uses.

...FLINTKOTE Asbestos Fibres

You, too, can gain from experience. The Flintkote Company stresses quality—has manufactured quality products for over fifty years—uses quality-controlled asbestos fibres produced by Flintkote Mines in many of its products.

A wide variety of asbestos fibres now available for *your* use.

For further information and descriptive brochure—Write: The Flintkote Company, East Rutherford, New Jersey.

FLINTKOTE MINES, LIMITED

(Subsidiary of The Flintkote Company) Thetford Mines, P. Q., Canada

AUTOMOBILE SALES

	June 1959
Passenger Cars	554,878
Motor Trucks	119,544
Motor Coaches	267
	674,689

In June 1958, a total of 412,971 motor vehicles was sold. In the six months of 1959, the total was 3,937,288.

These figures were suppied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

A new standard for the installation of *Fire Doors and Windows* has been published by the NFPA. The text, which is a complete revision of the previous standard on this subject, classified doors and windows in terms of hours of resistance to standard test fires. It is expected it will be widely used in building codes as well as an advisory guide to good practice. The pamphlet is fully illustrated with drawings showing standard methods of installation of fire doors, hardware, automatic closing devices and other details.

Copies (NFPA No. 80, 72 pages, 75¢ per copy) are available from the National Fire Protection Association, 60 Batterymarch Street, Boston 10, Massachusetts.

Asbestos-cement gravity sewer pipe, designed for economical, long life non-pressure sewer systems, is described in a new four-page folder just published by Keasbey & Mattison Company.

Profusely illustrated, it points up savings in design, installation and operation with K&M asbestos-cement pipe. Complete dimensions, tolerances as well as other specifications needed by the engineer are included.

Copies of folder AP-22 may be obtained by writing to Keasbey & Mattison Company, Ambler, Pa.

ASBESTOS FIBRE

OF ALL TYPES

BRANDHURST COMPANY LIMITED

Vintry House

LONDON

E. C. 4

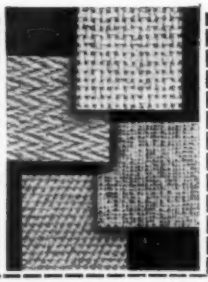
Telephone:	Cables:
London Central 1411	Brandcolim
(Private Branch Exchange)	London

J-M Asbestos Tubing selected asbestos yarn braided into flexible, fireproof, chemical-resistant sleeving. Inside diameters 1/64"-2½". Plain or wire-inserted.

An important "plus" in J-M Asbestos FIBRES or TEXTILES...

Imagine—asbestos fibres some 1500 times finer than a human hair . . . controlled to meet strict grading requirements and over 20 textural classifications!

J-M No. 55 Tape silicone-impregnated asbestos, cuts costs of fireproofing electrical cable . . . repels water . . . resists oil, fungus, mold, rot . . . and is non-sagging.



J-M Asbestos Cloth uniform textures from *light-proof* to *open weave*. Exceptional resistance to heat, flame, chemicals. In all standard grades.

ILES . . .

QUALITY

is carefully controlled at Johns-Manville

Some of the most comprehensive quality standards ever devised by industry assure that all 60 or more grades of Johns-Manville crude and milled asbestos—and the asbestos textiles made from them—are *exactly* as defined.

Day in and day out, in every step of production, continuous testing is run to measure and control a score of properties. Wet and dry volumes, adsorption levels, settling rates, grit removal, density and degree of fiberization —nothing escapes the eye of J-M Quality Control.

This unrelenting attention to product detail explains the high acceptance of Johns-Manville in asbestos fibres today. It also helps explain how asbestos textiles and products fabricated from these raw materials can meet the highest standards.

For FIBRE literature write Asbestos Fibre Division, Box 1500, Asbestos, Quebec, Canada.

For TEXTILE literature write Asbestos Textiles Department, Box 14, New York 16, N. Y.

JOHNS-MANVILLE JM PRODUCTS

AFRICA (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2,000 lbs

Production for May 1959	10,221.26
Valued at	£650,287
Production for May 1958	10,593.59
Valued at	£723,454

CANADA

(Dept. of Mines, Province of Quebec)

Tons 2,000 lbs.

Production for June 1959 (Quebec)	91,644
Other Provinces	6,368
	98,012

Total production for June 1958 was 73,995 tons.

„ Tropag "

Hamburg —:— Ballindamm 6

Importers since 1909 of

ASBESTOS-ORES-MINERALS

PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

FIBERIZED ASBESTOS

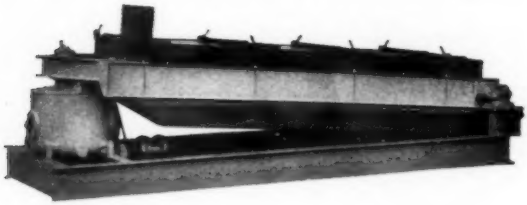
The World's Finest Fibres

DRAWER 71 GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

ROTEX® SCREENERS

GIVE PROFITABLE PRODUCTION!



ROTEX FEATURES		
	• Low head room	• No screen-blinding
	• Fast screen changes	• Dependable service
	• Dust-tite construction	• Rugged construction

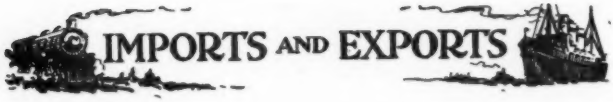
The nearly level, gyratory motion, pioneered in ROTEX, conveys material rapidly over screen surfaces with minimum vertical vibration or hop. This stratifies the material by particle size, rapidly passing undersize particles through the mesh openings. The results are clean separations exacting accuracy, coupled with high capacity. Designed for the operator's convenience, ROTEX Screeners pay for themselves by the economies they effect.

TO MEET THE REQUIREMENTS OF THE ASBESTOS INDUSTRY: Fourteen models—one or two screening surfaces—quiet running counter balanced drive—heavy welded structural steel base.

REPRESENTATIVE TO THE ASBESTOS INDUSTRY IN P. Q., CANADA: Lynn MacLeod Engineering Supplies, Limited, Thetford Mines, Quebec.

THE ORVILLE SIMPSON COMPANY

1222 KNOWLTON ST. **CINCINNATI 23, OHIO**



Imports Into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:	Year 1958 Tons (2240 lbs)
From: Canada	522,699
Union of South Africa	34,656
Rhodesia (Ny)	8,138
Australia	5,426
Yugoslavia	3,652
United Kingdom	417
Mozambique	122
Finland	55
British East Africa	53
Venezuela	43
Portugal	17
Bolivia	10
Japan	5
Italy	2
W. Germany	1
	575,296
Valued at	$58,314,461
By Grades:	
Crude No. 1, Chrysotile, Canada	50
Crude No. 1, Chrysotile, Venezuela	2
Crude No. 1, Chrysotile, U. Kingdom	2
Crude No. 1, Chrysotile, U. of S. Africa	18
Crude No. 1, Chrysotile, Rhodesia (Ny)	371
Crude No. 2, Chrysotile, Canada	170
Crude No. 2, Chrysotile, Rhodesia (Ny)	58
Crude, Other, Chrysotile, Canada	411
Crude, Other, Chrysotile, Venezuela	4
Crude, Other, Chrysotile, Finland	6
Crude, Other, Chrysotile, Portugal	4
Crude, Other, Chrysotile, Yugoslavia	3,652
Crude, Other, Chrysotile, Mozambique	4
Crude, Other, Chrysotile, U. of S. Africa	1,904
Crude, Other, Chrysotile, Rhodesia (Ny)	5,974
Crude, Blue, Bolivia	10
Crude, Blue, Australia	5,426
Crude, Blue, Mozambique	45
Crude, Blue, Union of South Africa	16,749

asbestos cement department

10, VIA SANTA TERESA

TURIN, ITALY

Manufacturers of all types of Fully Automatic

asbestos cement machinery

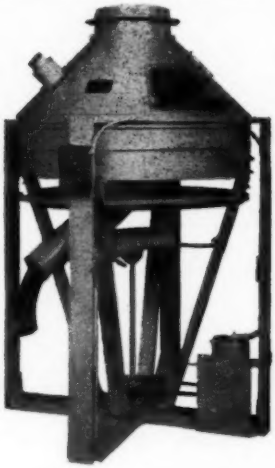
Daily output guaranteed according to the International Standard Specification:

150 ton high pressure pipes
300 ton flat and corrugated sheets

Crude, Blue, Rhodesia (Ny)	786
Crude, Amosite, W. Germany	1
Crude, Amosite, Mozambique	35
Crude, Amosite, Union of South Africa	14,857
Crude, Amosite, Rhodesia (Ny)	280
Textile Fibre, Chrysotile, Canada	16,888
Textile Fibre, Chrysotile, Venezuela	15
Textile Fibre, Chrysotile, U. Kingdom	184
Textile Fibre, Chrysotile, Italy	2
Textile Fibre, Chrysotile, Br. E. Africa	8
Textile Fibre, Chrysotile, U. of S. Africa	416
Textile Fibre, Chrysotile, Rhodesia (Ny)	227
Shingle Fibre, Chrysotile, Canada	61,509
Shingle Fibre, Chrysotile, U. of S. Africa	22
Shingle Fibre, Chrysotile, Rhodesia (Ny)	179
Paper Fibres, Chrysotile, Canada	41,415
Other Fibres, Chrysotile, Canada	402,256
Other Fibres, Chrysotile, Venezuela	22
Other Fibres, Chrysotile, U. Kingdom	231
Other Fibres, Chrysotile, Finland	49
Other Fibres, Chrysotile, Portugal	13
Other Fibres, Chrysotile, Japan	5
Other Fibres, Chrysotile, Br. E. Africa	45
Other Fibres, Chrysotile, Mozambique	38
Other Fibres, Chrysotile, U. of S. Africa	690
Other Fibres, Chrysotile, Rhodesia (Ny)	263
	575,296

Manufactured Asbestos Goods:	Year 1958 Quantity (lbs.)	Value
Asbestos Yarn		
Canada	3,414	$ 5,227
United Kingdom	262,699	197,772
Belgium	6,317	7,319
Switzerland	3,088	1,148
Italy	13,671	14,557
Israel	41,566	18,195
Japan	14,486	8,083
Asbestos Packing & Lining		
Canada	33	196
United Kingdom	113,458	52,400
W. Germany	60,780	15,777
Austria	9,827	2,777
Israel	44,038	24,911
Asbestos Shingles (Impreg.)		
Canada	62,960	5,928
Mexico	7,111	926
United Kingdom	16,351	1,030
Belgium	467,831	54,590

150
used in Asbestos Industry



Bauer

Specific Gravity Separators

Asbestos processing plants are using 150 Bauer Specific Gravity Separators for cleaning fiber. The machines are available in two sizes with 1 to 5 T/hr. capacity.

They require less air than other types of cleaners. They handle Nos. 4 to 8 fibers.

The separators remove small grit, rock particles, blasting wire, wood particles, and many other kinds of debris. Ask for particulars.

THE BAUER BROS. CO.

1826 Sheridan Ave. • Springfield, Ohio

Canadian Agents: — Lynn Macleod Engineering Supplies, Ltd., Thedford Mines, Quebec.

Export Agents: — M. Neumunz & Son, Inc., 90 West St., New York 6, N.Y.

Asbestos Shingles (Not Impreg.)		
Canada	846,008	85,348
Mexico	192,367	17,986
Cuba	48,500	2,701
United Kngdom	899,321	88,400
Belgium	7,845,200	567,796
W. Germany	825,520	51,641
Austria	460,583	29,323
Italy	12,187,464	528,358
Yugoslavia	552,630	25,002
Lebanon	853,858	48,923
Israel	1,274,259	65,433
Asbestos Manufactures—Others		
Canada	..	2,000
United Kingdom	..	19,176
Belgium	..	1,186
W. Germany	..	118
Switzerland	..	2,564
Israel	..	315
	27,113,340	$1,947,106

Exports From U.S.A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:	May 1959 Tons (2240 lbs.)	Value
To: Europe	100	$15,396
Central America & Mexico	36	6,034
South America	31	2,740
Other Countries	15	5,594
	182	$29,764

Manufactured Asbestos Goods:	May 1959 Quantity	Value
Asbestos Cement & Pipe Covering	Lbs. 236,145	$ 62,183
Asbestos Textiles & Yarn	Lbs. 103,201	99,791
Asbestos Packing	Lbs. 107,225	160,754
Asbestos Clutch Facing	No. 122,985	102,235
Asb. Bk. Lng. (Mld. & S. Mld.)	Lin. Ft. 77,954	43,483
Asbestos Brake Lining, Other	Lbs. 448,990	324,238
Asbestos Construction Materials	Lbs. 2,000,794	207,759
Asbestos Manufactures — Others	..	55,041
	3,097,294	$1,055,484

How a manufacturer saved $5 a ton with Gold Bond Asbestos Fibres

It's simple. They were satisfied with the fibres they were using (left). But when our technicians analyzed their processes they found that a Gold Bond grade with different fibre lengths and bulking properties would do the job—for $5 a ton less. So they switched to Gold Bond Fibres (right) and saved.

Perhaps there's a way we can cut *your* costs with Gold Bond® Asbestos Fibre. They come in a wide variety of grades and types all strictly controlled, with a minimum of fines content. Whatever your asbestos needs, check first with National Asbestos Mines Ltd., Thetford Mines, P. Q., Canada (subsidiary of National Gypsum Co.).

NATIONAL GYPSUM COMPANY, BUFFALO 13, N. Y.

Gold Bond
INDUSTRIAL PRODUCTS

a step ahead of tomorrow

Exports from Canada

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:	May 1959 Tons (2000 lbs.)	Value
Crude		
United States	2	$ 1,526
United Kingdom	2	1,596
South America	..	..
Central America & Mexico	..	..
European Countries	..	..
Other Countries	3	3,505
	7	$ 6,627
Milled		
United States	14,707	$2,828,228
United Kingdom	3,725	776,874
South America	1,563	291,011
Central America & Mexico	123	23,966
European Countries	12,786	2,472,824
Other Countries	7,541	1,220,998
	40,445	$7,613,901
Shorts		
United States	43,633	$2,334,462
United Kingdom	3,799	205,028
South America	459	29,124
Central America & Mexico	175	8,755
European Countries	3,569	204,728
Other Countries	2,525	198,889
	54,160	$2,980,986
Grand Total— Unmanufactured Asbestos:	94,612	$10,601,514
Manufactured Asbestos Goods:		
Brake Lining		$ 30,815
Packing		..
Other Materials		1,911
		$ 32,726

WILHELM BURGDORF

Importer of **Raw Asbestos**

P. O. Box 1131, BREMEN, GERMANY

DURASORB FELTS

give better drainage because . . .

Their special needled construction permits the water to drain faster, even at higher speeds. This is the result of years of research by experienced Designers, to bring you a *new* type of felt — DURASORB — offering maximum water removal while retaining all the other characteristics for long life, finish, stability and uniformity.

Ask your Albany Felt Sales Engineer for full information on the outstanding performance of DURASORB Felts for asbestos-cement shingles, siding and sheets.

ALBANY
FELT COMPANY

Main Office & Plant, Albany, N. Y.
Other plants: Hoosick Falls, N. Y., N. Monmouth, Me.
St. Stephens, S. C., Cowansville, P.Q.

NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

Charles Robert Neal, President, Metate Asbestos Corp., Globe, Arizona, September 18.

W. N. Bolster, President & Treasurer, General Insulation Co., Cambridge, Massachusetts, September 20.

Paul R. Sussman, President, The Sussman Asbestos Co., Toledo, Ohio, September 21.

Win Brown, Vice President, MacArthur Co., St. Paul, Minnesota, September 25.

C. Stanley Morgan, Detroit, Michigan, September 25.

W. S. Jeffrey, General Manager, Australian Asbestos Pty. Ltd., Marrickville, NSW., Australia, September 26.

E. R. Teubner, Jr., Chairman of Board, Philadelphia Asbestos Co., Philadelphia, Pennsylvania, September 26.

W. H. Fehrs, Secretary & Vice President, Union Asbestos & Rubber Co., Cicero, Illinois, September 28.

J. M. High, Sales Manager, Insulation Division, Mundet Cork Corp., North Bergen, New Jersey, September 28.

John W. Humphrey, President, Philip Carey Mfg. Co., Cincinnati, Ohio, September 28.

Reginal L. Johnson, Vice President, Johns-Manville Corp, New York City, September 28.

William B. Brown, Partner, The Insulation Co., Hartford, Connecticut, September 29.

Frank L. Sowka, Treasurer, Standard Asbestos Mfg. Co., Chicago, Illinois, October 1.

George Courtauld, Director, The Cape Asbestos Co. Ltd., London, England, October 2.

W. W. Dunkin, Treasurer, Southern Friction Materials Co., Charlotte, North Carolina, October 5.

C. L. Moorman, Vice President, Union Asbestos & Rubber Co., Chicago, Illinois, October 6.

Russell E. Crawford, Director, Baldwin-Ehret-Hill, Inc., Valley Forge, Pennsylvania, October 9.

A. L. Penhale, President & Managing Director, Asbestos Corp. Ltd., Thetford Mines, Quebec, Canada, October 11.

H. R. Barrett, Executive Vice President, Philip Carey Mfg. Co., Cincinnati, Ohio, October 13.

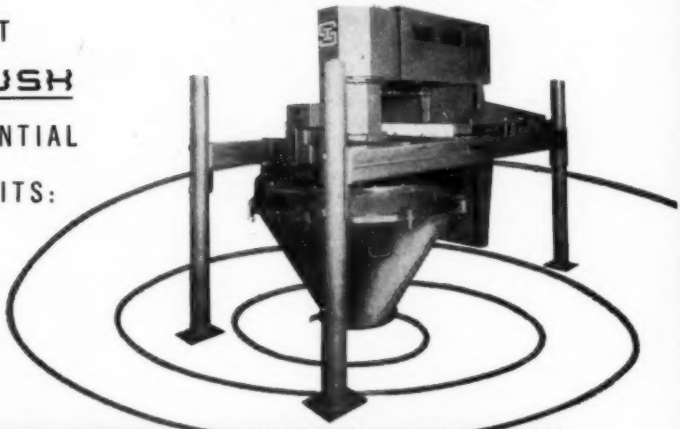
W. M. Paxton, Sales Manager, Packaging Dept., Raybestos-Manhattan, Inc., Bridgeport, Connecticut, October 14.

Thomas D. Stone, President, Stone Industrial Equipment Co., Springfield, Massachusetts, October 14.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

Series 40 Entoleter CentriMil® has capacity in excess of 20 tons per hour when releasing crudy, or fiberizing 6 tons per hour.

DON'T CRUSH POTENTIAL PROFITS:



MODERN CENTRIFUGAL IMPACT MILLING

- Reduces rock, releasing fiber intact
- Has increased yield as much as 15%
- Boosts both value and volume of output
- Requires less power per ton
- Constant product from start-up to shut-down

The rugged Entoleter® Centrifugal Impact Mill is specially engineered to break open rock along natural cleavage lines liberating crudy asbestos with minimum degradation of fiber. Its superiority over conventional methods has been production proven.

The same impact principle at higher velocities is used for fiberizing without degradation. Write for details. *Free* sample processing is available in the Entoleter Development Laboratory.

ENTOLETER DIVISION
SAFETY INDUSTRIES, INC.
P. O. BOX 904 NEW HAVEN 4, CONN.

PINTSCH COMPRESSING CORPORATION
ENTOLETER DIVISION
ELECTRICAL DIVISION

LIGHTING DIVISION
SAFETY RAILWAY SERVICE CORPORATION

AUTOMATIC TIMING & CONTROLS, INC.
THE HOWE SCALE COMPANY
SI HANDLING SYSTEMS

IN CANADA: LYNN, MACLEOD ENGINEERING SUPPLIES, LTD., THETFORD MINES, P. Q., CANADA

ASBESTOS-CEMENT PRODUCTS ASSOCIATION
Elects Officers

John W. Brown, senior vice-president, National Gypsum Co., was elected president of the Asbestos-Cement Products Association at the group's recent 22nd annual meeting in New York City.

Mr. Brown succeeds *R. J. Tobin*, president, Atlantic Asphalt & Asbestos, Inc. Other officers elected included *R. R. Porter*, president, Keasbey & Mattison Co., as vice-president; *H. H. Whittemore*, general sales manager, Flintkote Co., as treasurer, and *Norton B. Jackson* as secretary.

Directors named, in addition to those above, were *R. R. Galloway*, vice-president, Fibreboard Paper Products Co.; *W. B. Wilkinson*, vice-president, Johns-Manville Sales Corp.; *E. J. O'Leary*, chairman and president, Ruberoid Co., and *J. H. Steiner*, chairman of the board, Supradur Manufacturing Corp.

BAUER PROCESSING EQUIPMENT
Condensed Catalog

Bauer processing equipment for various industries is illustrated and described in the new, 4-page Bulletin No. 59, recently released by The Bauer Bros. Co., 1826 Sheridan Avenue, Springfield, Ohio.

Equipment shown for use in pulverizing, fiberizing, granulating and blending various materials includes Bauer hammer mills, double and single disc attrition mills, single and double roll crushers and magnetic separators.

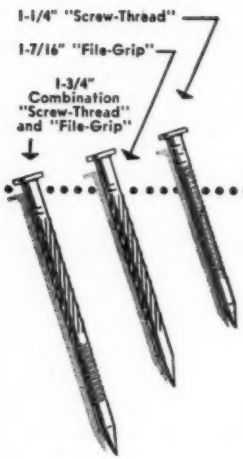
Cleaning, separating, dehulling and delinting equipment for the oil milling and asbestos industries, as well as roasters, grinders, texturizers, cooling cars and tables, cleaners, classifiers and blanchers for use in nut and food processing are included.

Bulletin No. 59 also contains data on the following Bauer products for pulp, paper and board mills: digesters, Centri-Cleaners, double and single disc refiners, "Pump-Through" refiners, and Pressafiners.

Wanted

PAPER CHEMIST — Preferably with experience in Asbestos Paper. Position in Research & Development at Erie, Pa. location. Two to Five Years Experience Desired.

Reply: The Ruberoid Co., Research Laboratory, South Bound Brook, New Jersey



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nichols NEVER-STAIN®

PAINTED

ALUMINUM

ASBESTOS FACE

Nails

TO MATCH THE *NEWEST* COLORS IN ASBESTOS SIDING

WRITE for FREE CHART and SAMPLES of 7 standard colors available from stock.

Your products deserve the best fasteners available. Protect their beautiful colors with inconspicuous NICHOLS RUSTPROOF PAINTED ALUMINUM NAILS. We will paint aluminum asbestos face nails to meet your exact color-match requirements; also available in the satin etched finish. Write today.

nichols WIRE & ALUMINUM CO.
DAVENPORT, IOWA

UNARCO SALES CHANGES
IN PREPARATION FOR STAFF EXPANSION

Several changes in its sales department have been announced by the Fibrous Products Division, Union Asbestos and Rubber Company, Bloomington, Illinois, as part of a program call for overall expansion of the Division's sales staff.

Heading the list of changes is the appointment of *E. W. Vizard* to the new position of Midwest Regional Sales Manager. Mr. Vizard formerly served as sales representative in Chicago for the Division's Chicago and Kansas City areas. In his new position, he will transfer to the Fibrous Products Division's headquarters in Bloomington, Illinois.

The following changes represent a general realignment of Midwest sales territories in preparation for staff expansion:

H. A. Scandrett, formerly based in Bloomington, has been moved to Milwaukee to cover northern Illinois, Iowa, Nebraska, North and South Dakota, Minnesota and Wisconsin.

W. E. Taylor has been moved from Chicago to Cleveland. His new territory will include Michigan, Ohio, the eastern half of Kentucky, and Knoxville, Tennessee.

T. Tomporowski, formerly with the Division's production department in Bloomington, has been transferred to the sales department and will cover southern Illinois, the eastern half of Missouri, Nashville, Tennessee, and the western half of Kentucky.

In an immediate expansion move, a new sales office is currently being opened in New Orleans to be manned by *Steve Gorin*, who formerly served in the Division's Bloomington office. The New Orleans office will cover portions of Louisiana and Tennessee, plus Mississippi, Alabama, Georgia, and South Carolina. A second new sales office will soon be opened in Tulsa to serve Oklahoma and portions of Texas and New Mexico.

NEW FOLDER
Ruberoid Deluxe Asbestos Shingle

A premium shingle that blends beauty with economy and lifetime performance describes *American Thatch* asbestos roofing in a new, colorful folder just issued by The Ruberoid Co., manufacturer of asphalt and asbestos-cement building products.

While American Thatch is similar to other premium roofing materials, such as tile and slate, it re-creates the charm and characteristics of the thatched design. Colors—created by leading American color-stylist Faber Birren—bring this traditional design into tune with modern building requirements. This man-made material—a combination of asbestos fibre and Portland cement—is fireproof, rot-proof and never wears out, and offers significant savings in material and application costs.

Write The Ruberoid Co., 500 Fifth Avenue, New York 36, New York. Ask for Bulletin No. 1402.

Exporters of

RAW ASBESTOS

ALL GRADES—ALL TYPES

C. J. PETROW & COMPANY (PTY.) LTD.

P. O. BOX 11000 — CABLE: SOTSEBSA

VOLKSKAS BLDG. — 76 MARKET STREET

JOHANNESBURG - SOUTH AFRICA

INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue E. Rutherford, N. J.

R. C. PARLETT
Technical Advisor

Upon retiring from active service with Johns-Manville Corporation on June 30 after a 40-year career, *Raymond C. Parlett*, authority on thermal insulation, has become a Technical Advisor to the National Insulation Manufacturers Association.

A graduate from the University of Wisconsin, Mr. Parlett joined J-M in 1919 with L. B. McMillan, his former professor, to do research on heat transfer and thermal insulation materials. This was the beginning of the famous McMillan Laboratories which preceded the present Johns-Manville Research and Engineering Center at Manville, New Jersey, largest laboratories in the world devoted to research on building and industrial products.

During his career with J-M as Chief Engineer of the company's Industrial Insulations Department, and later of the Industrial Insulations Division, Mr. Parlett was long active in industry affairs.

NEW R/M MARKETING PLAN

To meet present day needs for better distribution and to provide strong support to expand sales of its many specialized products, Raybestos-Manhattan, Inc., Passaic, N. J. has announced important changes in its sales structure. *R. B. Parks*, formerly San Francisco District Manager, has been appointed Assistant Sales Manager for Industrial Rubber Products and Packings. A new Marketing Group section of its Sales Division has been established. This group will coordinate all activities of marketing and work closely with production, development, sales engineering, and product sales departments.

S. J. Synnott has been appointed General Marketing Manager of Industrial Rubber products, and will direct activities of industrial rubber marketing managers assigned to specific product groups. Newly appointed members of this new rubber product group are: *H. J. Seeley*, Marketing Manager for Poly-V Drives and Flat Transmission Belts, *A. Arguedas*, for Conveyor and Elevator Belts, and *J. J. Connors*, for Rubber Covered Rolls. This comprises the marketing group in Industrial Rubber products and will be expanded later to include other important products. *G. E. Horvath* has been made Marketing Manager of Mechanical Packings.

Other changes were also made in the sales organization. *R. E. Stiles* replaces Mr. Park as San Francisco District Manager, *N. L. Rush*, previously Manager of Distributor Sales of the Philadelphia District, has been appointed Minneapolis District Manager.

Now in operation: New independent source of Asbestos: **Lake Asbestos of Quebec, Ltd. will produce 100,000 tons of high-quality chrysotile asbestos fibre annually. If you need a new dependable source for high grade asbestos, write to Asarco International Corp., 120 Broadway, New York 5, N. Y., distributor for Lake Asbestos.**

Overseas Sales Agents:

ARGENTINA
(for Argentina, Uruguay)
Ladislao Kohn,
Buenos Aires

AUSTRALIA
Mount Isa Mines Ltd.,
Sydney

BRAZIL
"Brasimet" Comercio e
Industria S. A.,
Rio De Janeiro, Sao Paulo

CHILE
Agencies Kapel Ltda.,
Santiago

COLOMBIA
Holanda Colombia, S.A.,
Barranquilla

ENGLAND
(for U. K., Spain, Portugal)
Metal Traders Ltd.,
Asbestos Division, London

FRANCE
Dieppedalle & Seilles,
Paris

HOLLAND
(for The Netherlands,
Belgium, Switzerland)
Keyser and Mackay,
Amsterdam

ITALY
G. Vaciago, Torino

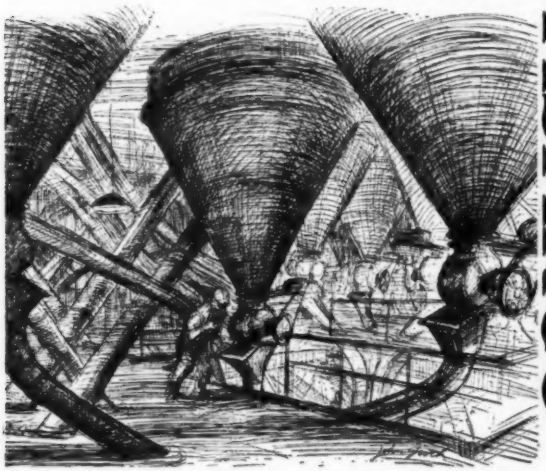
JAPAN
C. Itoh Co., Ltd., Tokyo
Metal Traders, Inc.,
Tokyo

SWEDEN
Aktiebolaget
Ingeniorsfirman Titan
Stockholm

NORWAY
Astrup & Son
Oslo

WEST GERMANY
(for w. Germany, Austria)
Atlanta 7 Bremen

LAKE ASBESTOS OF QUEBEC, LTD.
a subsidiary of American Smelting and Refining Company



A new position of research associate has been created at **United States Rubber Company's** research center, Wayne, New Jersey, to further encourage scientists whose main interest is independent creative research, it was announced by Dr. L. M. White, director of research and development for the Company.

Four research center scientists and engineers have been promoted to the new position in recognition of their outstanding ability to do such independent creative research—DR. SHEPPARD A. BLACK, DR. FITZHUGH W. BOGGS, DR. PHILIP D. BRASS and DR. EUGENE M. McCOLM. Others are expected to be named in the future.

The research associates will be on the same organization level as department managers—the highest administrative positions directly concerned with managing industrial research. The responsibilities of the research associates will be of a research nature rather than administrative. The new position gives outstanding researchers comparable benefits and prestige while enabling them to devote full time to creative work.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

		August 1959		
	Par	Low	High	Last
American Brake Shoe	np	54	58	55
Armstrong Cork (Com)	1	41½	44¼	44¼
Armstrong Cork (Pfd)	np	79¼	83	82
Asbestos Corporation	np	30	33⅛	31⅞
Philip Carey	10	39½	44¾	39½
Cassiar Asbestos Corp.	np	10¾	11½	11
Celotex (Com)	1	36	39⅜	36⅞
Celotex (Pfd)	20	18¼	19⅜	18¼
Certain-Teed	1	13⅛	14⅞	13¾
Fibreboard	np	49	54½	54½
Flintkote (Com)	5	36⅝	41¼	37¾
Flintkote (Pfd)	np	85	88⅞	88½
Johns-Manville	5	52½	59½	55⅞
National Gypsum (Com)	1	55⅝	62	57¼
National Gypsum (Pfd)	np	92	94½	92½
Porter, H. K.	100	93¼	94¾	94
Raybestos-Manhattan	np	68	72	72
Ruberoid	1	41	43⅛	42⅞
Unarco	5	11⅞	14⅝	12
United Asbestos	1	$4.40	$4.70	$4.50
U. S. Gypsum (Com)	4	105	113	107
U. S. Gypsum (Pfd)	100	150	155	155
U. S. Rubber (Com)	5	60⅜	68¾	62¾
U. S. Rubber (Pfd)	100	150¼	154½	151

BELL ASBESTOS MINES LTD.

THETFORD MINES, QUE.

CANADA

Producers of

Raw Asbestos Crudes

& Fibres

Sales Representatives

for

Cassiar Asbestos Corporation Limited

THE TWELVE ESTIMATING TABLES

The Twelve Estimating Tables, with Chart, convenient in figuring flange fittings and other areas, is $1.00 per set.

These tables have been found very useful by estimators in figuring areas, but since we have not for some time published the detailed list, it occurred to us that many would like to know exactly what the tables cover, and order them before the fall work begins. Following is the list.

Sq. Ft. Areas of Pipe Covering.
Mean Sq. Ft. Areas Standard Screwed Fittings.
Mean Area Standard Weight Flanged Fittings.
Standard Weight Flange Areas, Permanent Type.
Standard Weight Flange Areas, Removable Type.
Figuring Hair Felt, 1″, 1½″, 2″.
Anti-Frost Insulation.
Cork Pipe Covering, Outside Area in Sq. Ft.
Ice Water Thick Cork Moulded Fittings Screwed, Outside Area in Sq. Ft.
Brine Thickness Cork Moulded Fittings, Screwed, Outside Areas in Sq. Ft.
Special Thickness Cork Moulded Fittings, Screwed, Outside Areas in Sq. Ft.
Dusts and Flue Perimeters.
The chart gives an easy way to figure Curved Cylindrical Surfaces.

The tables are printed on paper which will wear well under handling. Orders can be filled immediately upon receipt, write Asbestos, 807 Western Savings Fund Bldg., Philadelphia 7, Pa.

RUBEROID NAMES
DIRECTOR OF TRADE RELATIONS

The Ruberoid Co., manufacturer of building materials, announced the appointment of *W. G. Neel* to the newly-created post of director of trade relations. In this capacity, Mr. Neel will maintain liaison between key personnel of the Company's customers, suppliers and prospects, and Ruberoid's sales staff. He will continue to serve as manager of the asbestos fibre division to which position he was named in 1958.

UNION ASBESTOS & RUBBER CO.
Six-Month Report

Union Asbestos and Rubber Company reported net earnings of $12,303 for the first six months of 1959, compared with a loss of $53,029 in the corresponding period of 1958.

Net sales for the first half of this year amounted to $4,820,294 against $4,570,414 in the same period of 1958.

Antony Gibbs & Co., Inc.

61 Broadway

New York 6, New York

Tel. Digby 4-6580

View of Boss Mines, Mashaba

ASBESTOS FIBRES

Chrysotiles, Blues, Amosites

Agent in the United States for

S. A. ASBESTOS TRADING (PTY.) LTD.

J. E. McCAULEY NAMED VICE PRESIDENT

The appointment of *James E. McCauley* as a vice president of the Orangeburg Manufacturing Company, a division of The Flintkote Company, was announced today by H. J. Robertson, President, Orangeburg Manufacturing Company.

Mr. McCauley joined Orangeburg in 1947 as assistant to the president and later became comptroller of the company. From 1952 to the present, he has been secretary-treasurer.

RUBEROID APPOINTS INDUSTRIAL DISTRIBUTORS

The Ruberoid Co. announces two new distributor appointments for its industrial products:

Culberg Asbestos, Chicago, Illinois, will handle Ruberoid's complete line of industrial products including asbestos-cement building boards and corrugated sheets, asbestos pipe coverings and blocks, molded high pressure insulations, asbestos papers, rollboards and millboards, asbestos gasket board and asbestos fibre and inulating cements.

Insulation & Specialties, Inc., has been appointed contractor and distributor for Ruberoid's molded high pressure insulation products in Bossier City, Louisiana, and El Paso and Odessa, Texas.

ASBESTOS TEXTILES

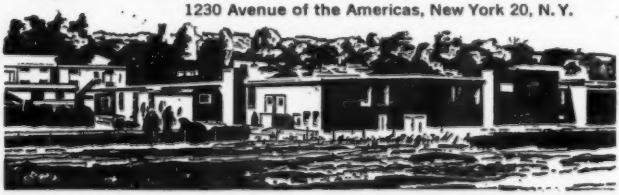
US RUBBER

are manufactured in our own modern plant at Stark Mills, Hogansville, Ga. Spinning and weaving operations are closely controlled for maximum uniformity in asbestos yarns, fabrics and tapes. Specialties developed to meet customers' requirements.

Write: Asbeston® Dept., Textile Division

UNITED STATES RUBBER COMPANY

1230 Avenue of the Americas, New York 20, N. Y.



RAW ASBESTOS DISTRIBUTORS

LIMITED

FOR CANADIAN, RHODESIAN
AND SOUTH AFRICAN ASBESTOS

ASBESTOS HOUSE • 77-79 FOUNTAIN ST. • MANCHESTER 2
ENGLAND

CURRENT RANGE OF PRICE

As of September 10, 1959

ARIZONA— Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

No. 1 Crude (soft)	$1,475.00	to	$1,850.00
No. 2 Crude (soft)	830.00	to	1,260.00
Group-3 (Plastic & Spinning Fibre)	375.00	to	675.00
Group-4 (Plastic & Filtration)	190.00	to	250.00
Group-5 (Plastic & Moulding)	125.00	to	177.00
Group-7 ((Refuse & Shorts)	60.00		

CANADA— Per Ton 2,000 lbs. f.o.b. Mine
Canadian Currency

Group No. 1 (Crude No. 1)	$1,475.00	to	$1,850.00
Group No. 2 (Crude No. 2); Crude Run-of-Mine and Sundry	790.00	to	1,200.00
Group No. 3 (Spinning Fibre)	370.00	to	650.00
Group No. 4 (Shingle Fibre)	180.00	to	245.00
Group No. 5 (Paper)	120.00	to	150.00
Group No. 6 (Waste, Stucco or Plaster)	..		86.00
Group No. 7 (Refuse or Shorts)	40.00	to	80.00

VERMONT—Per ton of 2,000 lbs. f.o.b. Hyde Park or Morrisville, Vt.

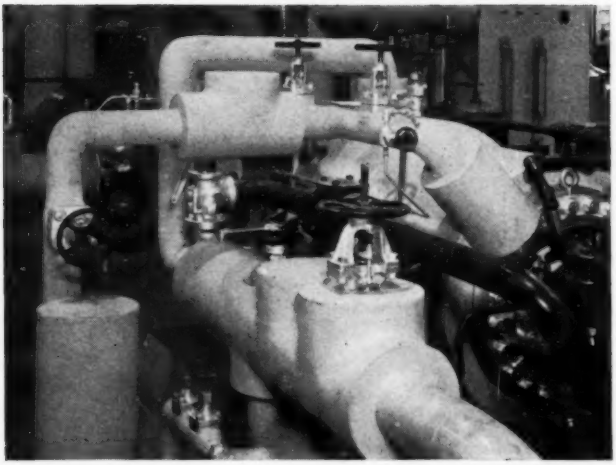
Group No. 3 (Spinning & Filtering)	$ 370.00	to	$ 428.00
Group No. 4 (Shingle Fibre)	181.00	to	200.00
Group No. 5 (Paper Fibre)	120.00	to	152.00
Group No. 6 (Waste, Stucco or Plaster)	..		86.00
Group No. 7 (Refuse or Shorts)	41.00	to	75.00

Louis O. Durlacher, 299 Madison Avenue, New York 17, New York has been named Representative of ASBESTOS DE MEXICO S.A., Tlalnepantla, Mexico; producers of Asbestos-Cement pressure pipe, siding and roofing.

PIPE COVERING PROTECTORS

The "Royal" All Aluminum Adjustable and Permanent Protector for Pipe Covering-ends. Easy to Apply . . . Prompt Shipment.

THE PROTECTOR CO. • **GRANT WILSON, INC.**
SO. BOSTON 27, MASS. CHICAGO 4, ILL.



Maximum control of temperatures with

PABCO PRECISION-MOLDED CALTEMP

a Calcium Silicate Insulation

Curb expensive heat loss, control temperatures within minimum tolerances with performance-proved Pabco Insulations. For power plant piping and equipment, a Pabco Insulation insures peak performance wherever temperatures must be maintained up to 1900° F. Pabco's Caltemp and 85% Magnesia insulations are "Precision-Molded" by a patented process in both pipe and block form. For data on technical advantages . . . case histories . . . or engineering consultation, write . . . or call . . . a Pabco insulation engineer.

INSULATION GUIDE

Temperature	Recommended Pabco Insulation
to 550° F.	85% Magnesia pipe covering • block • cement
to 1200° F.	Caltemp pipe covering • block • cement
to 1500° F.	Prasco 15 C pipe covering • block • cement
to 1900° F.	Prasco 19 C block

PABCO

INDUSTRIAL INSULATIONS DIVISION

Fibreboard Paper Products Corporation
San Francisco 19 • Chicago 54
Houston 4 • New York 16 • Los Angeles

BOOK LIST

The Asbestos Factbook, 16 pages: Information in comment form on origin, facts, locations, uses of analyses, qualities, 25c per copy.

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages 25c per copy.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages 25c per copy.

Processing Asbestos Fibres. 8 pages. (Reprint). 25c per copy

Tests for Cotton Content. 4 pages (Reprint). Describing several methods of testing asbestos textile for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint), 20c each

Brake Linings of Various Types. By R. T. Halstead, (Reprint) (12 pages) from August, September and October 1949 "ASBESTOS". Price 25c per copy.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas, $1.00 per set.

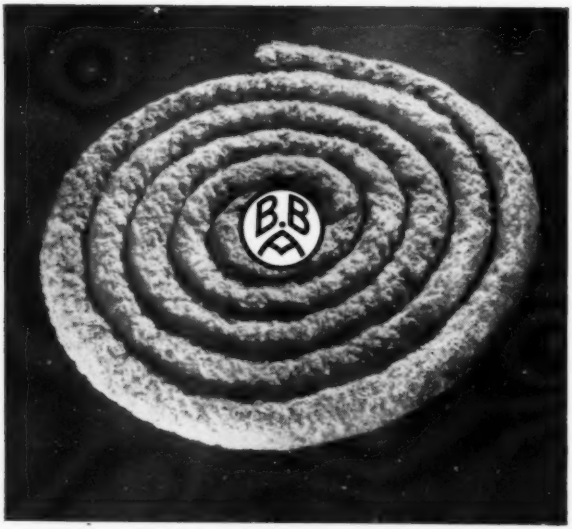
Manual of Unit Prices. For figuring pipe covering and blocks $1.00 per single copy postpaid. Discount in quantities of 6 or more, postage billed.

Order any of the above from "ASBESTOS," 807 Western Saving Fund Bldg., Philadelphia 7, Pa. Payment should accompany order.

CAREY SEMI-ANNUAL REPORT

Report for the six months ended June 30, 1959, was issued by The Philip Carey Manufacturing Company, and gives the following figures:

Sales 1959	$35,118,624
Compared with same period, 1958	$30,226,997
Net earnings after income taxes	$ 1,732,845
Compared with same period, 1958	$ 603,547
Earnings per common share	2.04
Compared with same period, 1958	.71



LAGGING IN FRONT

This is B.B.A. Asbestos Fibre-Filled Rope Lagging for Steam Pipe Insulation, one of many of asbestos products, from yarn and rovings to cloth, tapes and jointings of all types and the world-famous MINTEX friction materials and MINTEX Industrial Plastics—made by B.B.A. In production, as in research, we are in the front of our field. To all intents and purposes, B.B.A. *is* Asbestos.

B.B

BRITISH BELTING & ASBESTOS LTD

CLECKHEATON, YORKSHIRE, ENGLAND

PATENTS

Abstracts of new U. S. Patents on Asbestos and Asbestos Products by Oliver S. North.

(Copies of patents can be obtained by sending 25 cents, in coin, to The Commissioner of Patents, Washington 25, D. C., giving the name of the patentee, patent number, and date it was issued.)

Perlite Insulation Material, No. 2,878,131. Granted on March 17, 1959 to H. H. Houston and L. S. McCollum (assigned to International Minerals & Chemical Corp., a corporation of New York). Method of making an improved lightweight thermal insulating material. An aqueous slurry of expanded perlite, basic $MgCO_3$, chrysotile asbestos fibre, and activated clay is filtered, and the resulting filter cake heated to about 220°F. for 4 hours. The density of the dried filter cake is about 6 lbs. per cu. ft.

Composition For Insulating Covering, No. 2,878, 133. Granted on March 17, 1959 to A. Uccelli. An insulating covering for walls, floors, and ceilings consists of a mixture of about 50 parts white portland cement, 50 parts asbestos fibre, 15 parts hydraulic lime, and 10 parts activated bentonite. This mix is stirred with water and applied with a stucco machine or spray gun.

Process and Apparatus For Producing Molded Articles, No. 2,878,727. Granted on March 24, 1959 to C. Groot. Method of and press mold with core for mechanically manufacturing hollow articles, such as pipe having bends or arms, from a pasty mass comprising asbestos fibre, portland cement, and a large amount of water. The paste is pressed into a mold with core, and the excess water removed through openings provided.

Fabricating Asbestos Shingle Siding Unit, No. 2,879,555. Granted on March 31, 1959 to P. Dubecky (assigned to Johns-Manville Corp., New York, N. Y.). Method of making a composite structural unit consisting of an asbestos cement shingle and an insulating backer board.

International Asbestos Cement Review

An architectural quarterly devoted to the promotion of asbestos-cement, published in English, French and German editions

Circulation exceeding 44 000

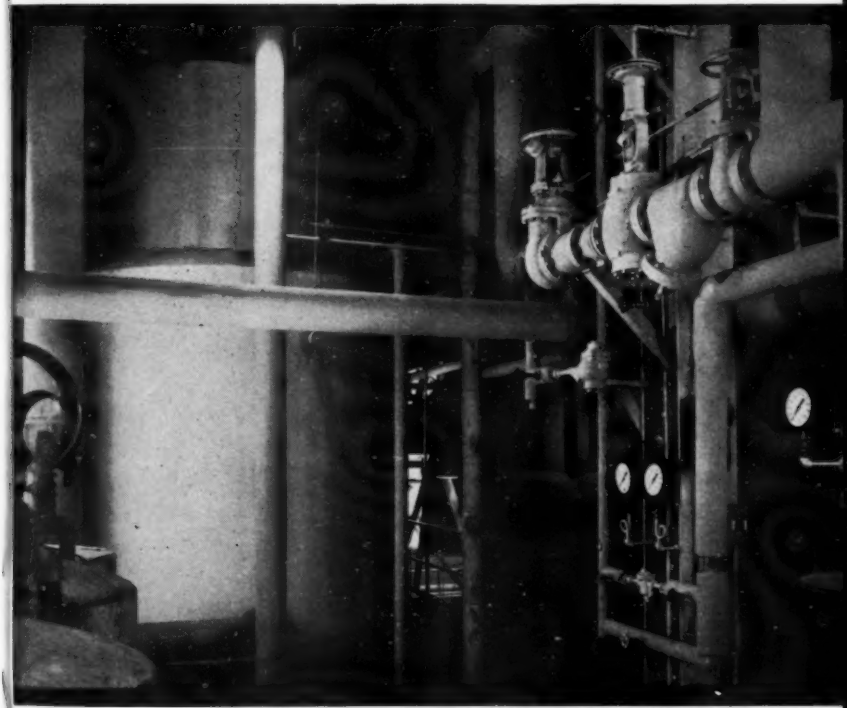
Editions Girsberger, 40 Kirchgasse, Zurich, Switzerland

(U. S. agents: Wittenborn & Co. 38 East 57th Street, New York 22)

ONLY APPROVED CONTRACTORS INSTALL EHRET INSULATIONS

The THERMALITE 85% Magnesia Insulation in this boiler room is typical of the faultless work of Ehret-approved contractors. Only men fully skilled in the application of Ehret products are entrusted with their installation. Result: Full insulating value and long, trouble-free service life with economical heating.

Standard inventories of THERMALITE are maintained by distributors in all principal cities. For the full story of this money-saving insulating material, see your Ehret Distributor or write direct for Bulletin 11C to the address below.

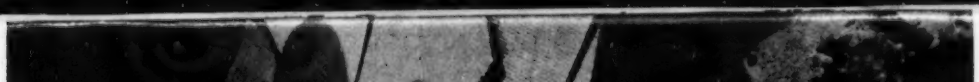


Typical THERMALITE installation. THERMALITE has unusually low thermal conductivity, is molded to exact shape, assuring tight joints and snug pipe fits essential for maximum heat economy.

SAVE HEAT WITH EHRET INSULATIONS

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE, PENNSYLVANIA

SOUTHERN ASBESTOS — TEXTILES

SOUTHERN ASBESTOS COMPANY, CHARLOTTE 1, N. C.